

# TRANSPORTATION OFFICER BASIC COURSE



**IN-TRANSIT VISIBILITY**

**500-500-11**

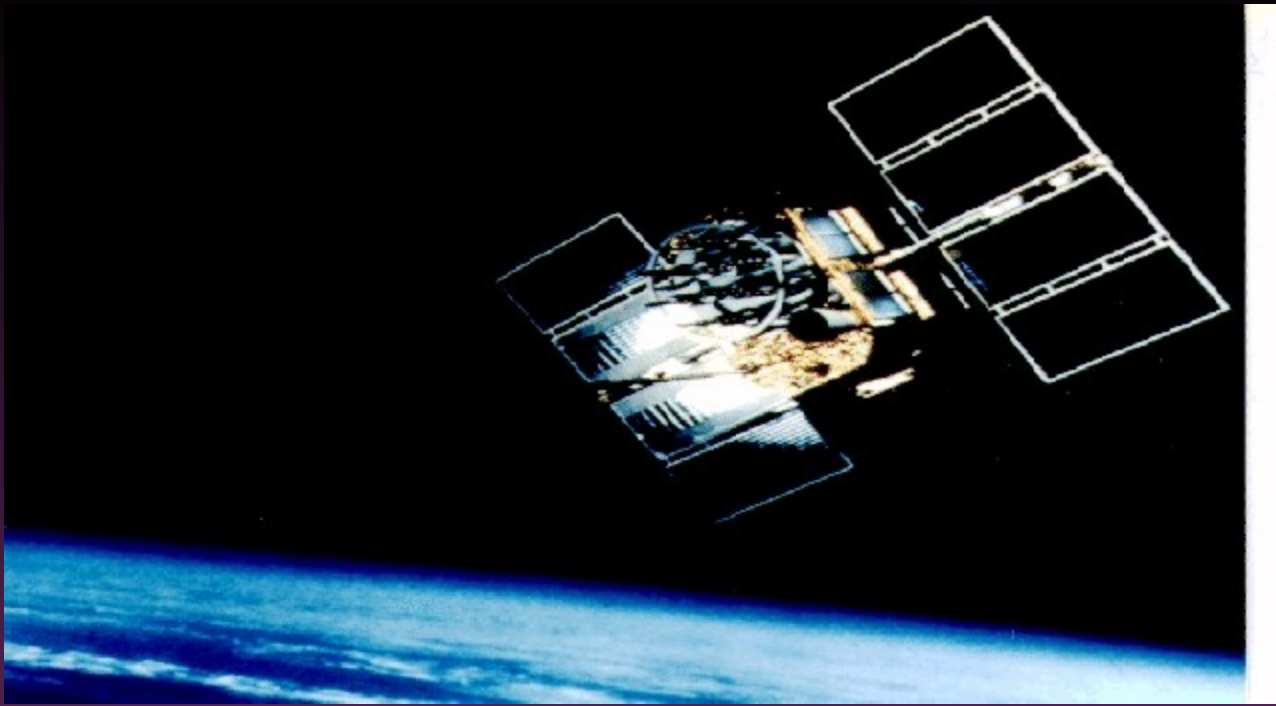


**OCTOBER 2002**



## HEADQUARTERED AT OFFUTT AIR FORCE BASE

- **CONTROLS MILITARY SPACE OPERATIONS**
  - **COMPUTER NETWORK OPERATIONS**
  - **INFORMATION OPERATIONS**
- **STRATEGIC WARNING&INTELLIGENCE ASSESSMENTS**
- **GLOBAL STRATEGIC PLANNING**



## **NAVSTAR GLOBAL POSITIONING SYSTEM (GPS)**

- **CONSTELLATION OF 24 ORBITING SATELLITES**
- **PROVIDES THREE-DIMENSIONAL LOCATION INFORMATION**
- **PROVIDES WORLDWIDE COMMON GRID**
- **CONTINUOUS REAL-TIME INFORMATION**
- **TIME FIGURED TO WITHIN A MILLIONTH OF A SECOND**
- **VELOCITY WITHIN A FRACTION OF MILE PER HOUR.**
- **LOCATION WITHIN A FEW FEET**



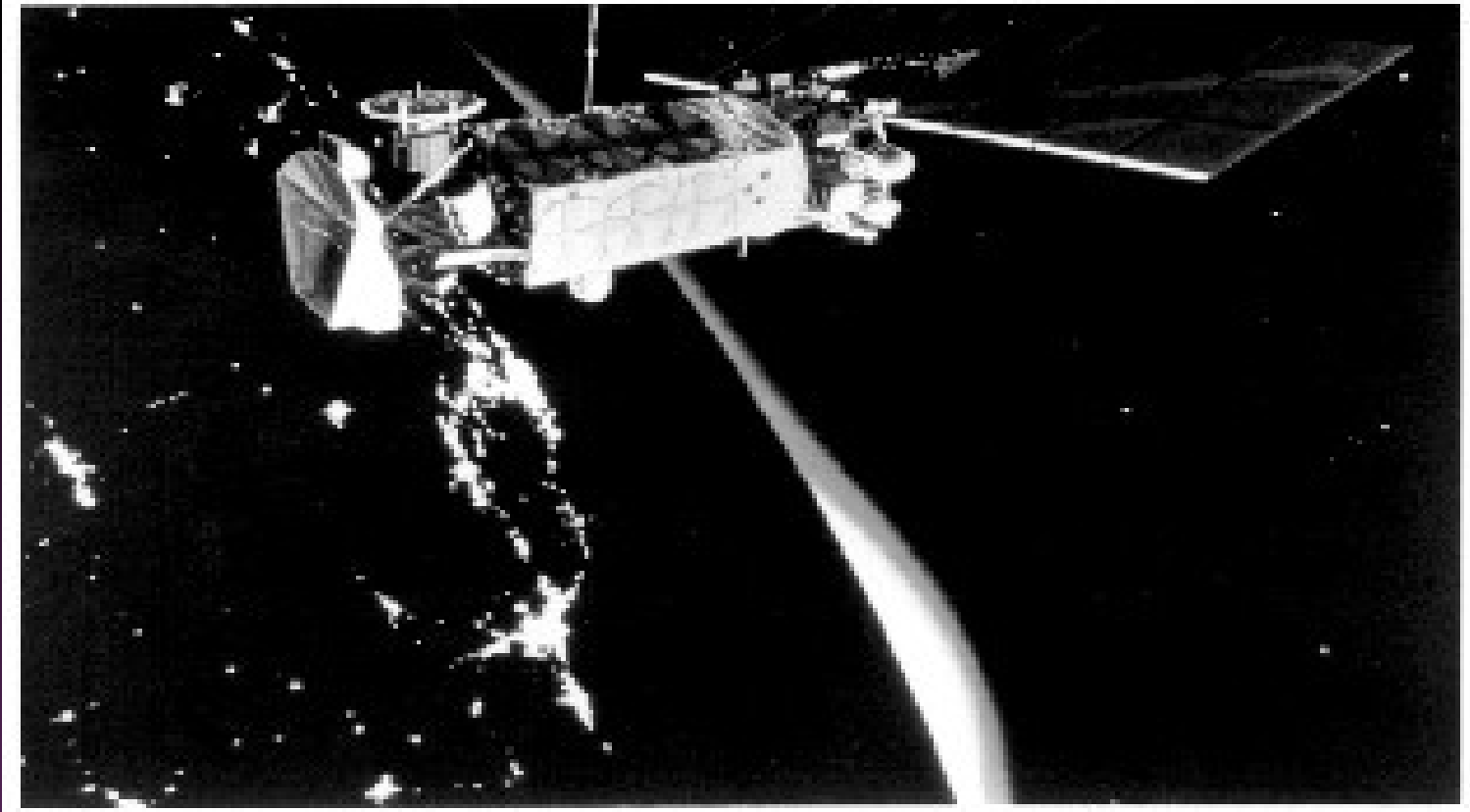
## **MILSTAR SATELLITE COMMUNICATIONS SYSTEM**

- **PROVIDES SECURE, JAM RESISTANT COMMUNICATIONS**
- **LINKS COMMAND AUTHORITIES WITH SHIPS, SUBMARINES, AIRCRAFT AND GROUND STATIONS.**



# **DEFENSE SUPPORT PROGRAM SATELLITES**

- **KEY PART OF NORTH AMERICA'S EARLY WARNING SYSTEM**
- **DETECTS MISSILE LAUNCHES, SPACE LAUNCHES AND NUCLEAR DETONATIONS.**



## DEFENSE METEOROLOGICAL SATELLITE PROGRAM

- COLLECTS WEATHER DATA FOR U.S. MILITARY OPERATIONS
- FORECASTERS CAN MONITOR AND PREDICT REGIONAL AND GLOBAL PATTERNS.



## **DEFENSE SATELLITE COMMUNICATIONS SYSTEM**

- **PROVIDES WORLDWIDE SECURE VOICE AND HIGH RATE DATA COMMUNICATIONS.**
- **PROVIDES HIGH PRIORITY EXCHANGE OF WARTIME INFORMATION BETWEEN DEFENSE OFFICIALS AND BATTLEFIELD COMMANDERS.**
- **TRANSMITS SPACE OPERATIONS AND EARLY WARNING DATA.**



# ***Movement Tracking System (MTS)***



*Movement Tracking System*

**SPEARHEAD OF LOGISTICS**

## **MTS Mission**

**Provide CSS Commanders with near real-time transportation asset location, movement data, and situational awareness.**

**Enable logisticians to redirect supplies, identify/avoid hazards, inform drivers of unit location changes, and improve the efficiency of the distribution system.**

# MTS Configurations



## 'V2" Truck Mounted

- MT2010 Transceiver
- Rugged Computer
  - TracerlinkPro mapping
  - Windows 2002



## Mobile Unit 'V1' Example

- Palmtop With LCD Display Mounted Inside Cab
- Transceiver with Magnet Mount

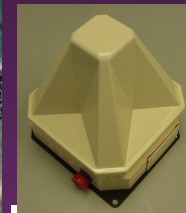


## Leased / Host Nation Vehicle



## Control Station (in the TOC)

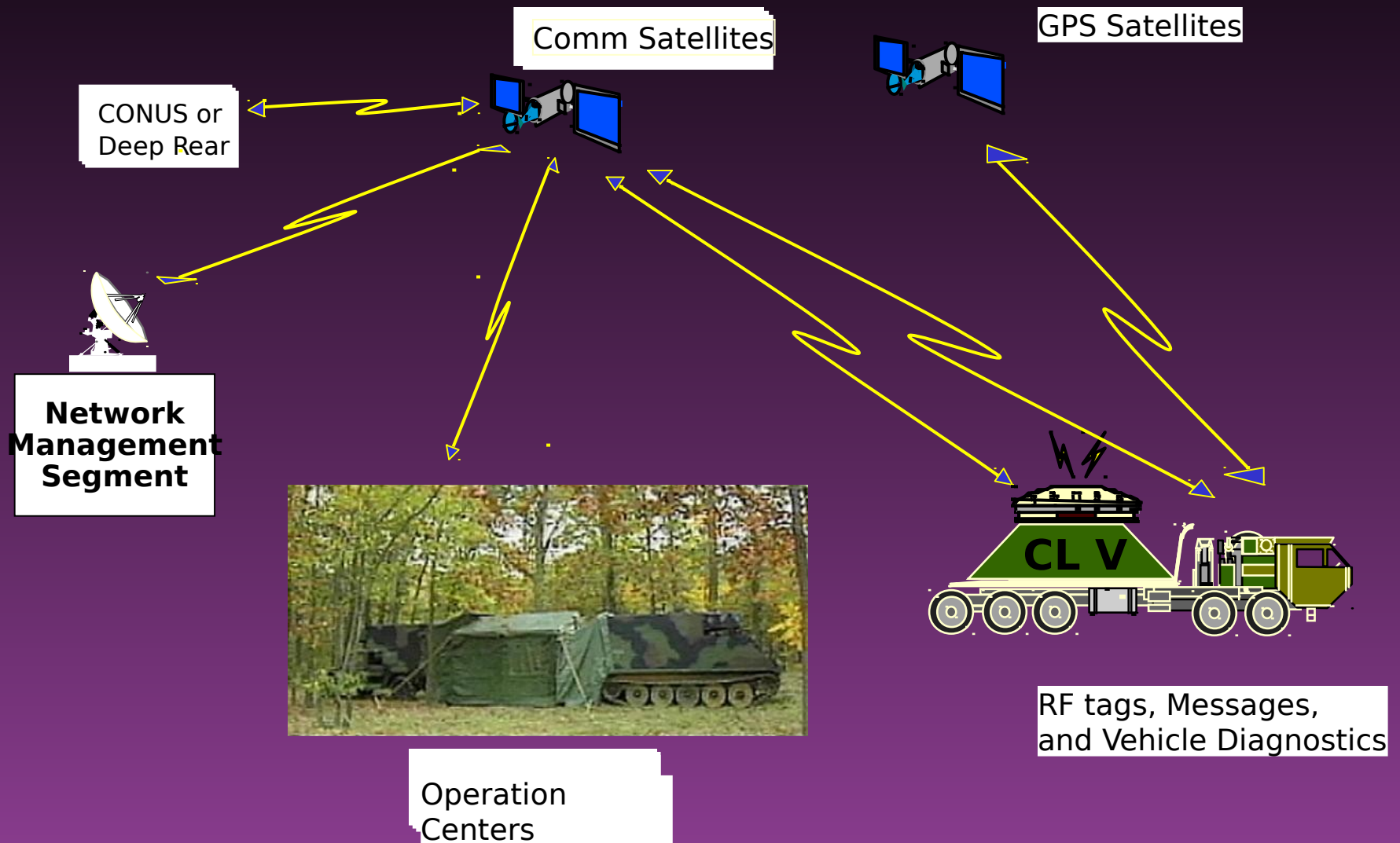
- MT 2010 Transceiver
- Laptop Computer
- HP340 Portable Deskjet Printer



## **MTS Capabilities**

- **Military and civilian GPS**
  - **Two-way messaging**
- **Satellite-based tracking and communication system**
  - **Landline-independent**
  - **World-wide coverage**
- **Capability to interface with EIS**

# *GPS Communication Concepts*





**AIR CARGO**



**AUTOMATED MANIFEST**

|                             |               |              |                  |                 |
|-----------------------------|---------------|--------------|------------------|-----------------|
| DATE OF BIRTH<br>1950AUG26  | ISSUES<br>195 | HEIGHT<br>71 | HAIR COLOR<br>BR | EYE COLOR<br>GR |
| BLOOD TYPE<br>A+            |               |              |                  |                 |
| SERIAL CARRY CATEGORY<br>TV |               |              |                  |                 |

|                            |                  |                             |
|----------------------------|------------------|-----------------------------|
| DATE OF BIRTH<br>1950AUG26 | BLOOD TYPE<br>A+ | SERIAL CARRY CATEGORY<br>TV |
|----------------------------|------------------|-----------------------------|

DD FORM 2 (ACTIVE) JUL 84 PROPERTY OF US

**MARC**



WALL JOSEPH C  
20/108441681  
LTC  
DATE OF BIRTH  
19520109  
BLOOD TYPE  
O POS

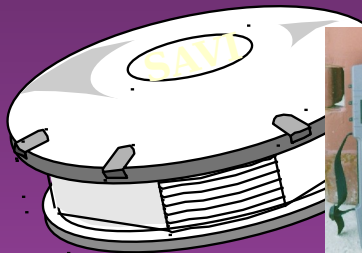
**AMMO**



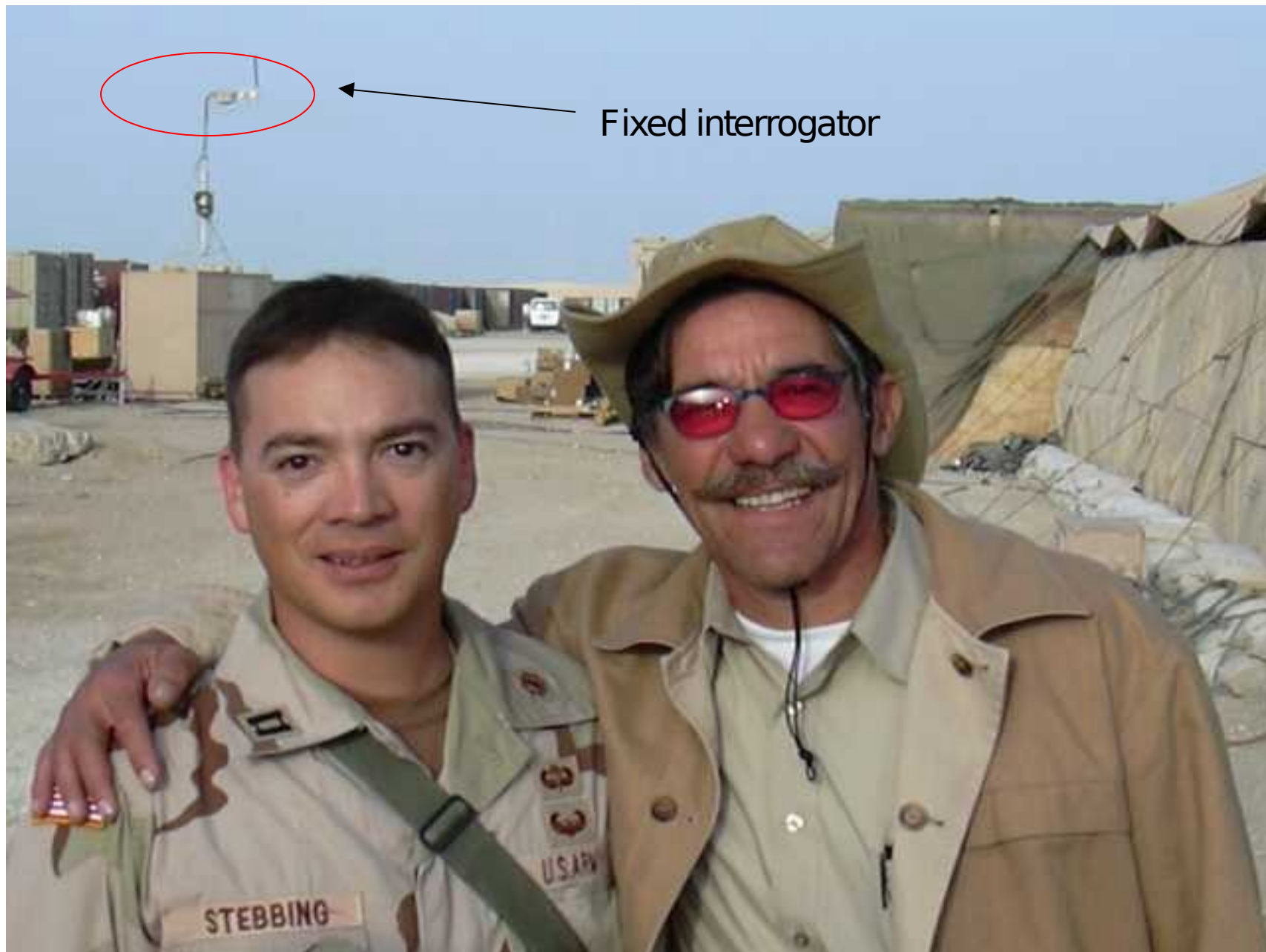
# Radio Frequency Automatic Identification Technology (RF/AIT)



**UNIT  
MOVE**



**SEAVAN**



Fixed interrogator

# RF/AIT

- Definition
- Employment
- Equipment
- Software
- Total Asset Visibility



# ***RF/AIT Definition***

- “A suite of technologies that enables the automatic capture of source data,

thereby enhancing the ability to:


- *Identify*
- *Track*
- *Document*
- *Control*

deploying and re-deploying forces,  
equipment, personnel and sustainment cargo.”

*Includes devices to automate the collection of information concerning assets in-storage, in-process, and in-transit*

*Supports the Army Total Asset Visibility Program (TAV)*

# ***RF/AIT Objectives***



Understand the  
design, capabilities, and  
application  
of RF/AIT equipment

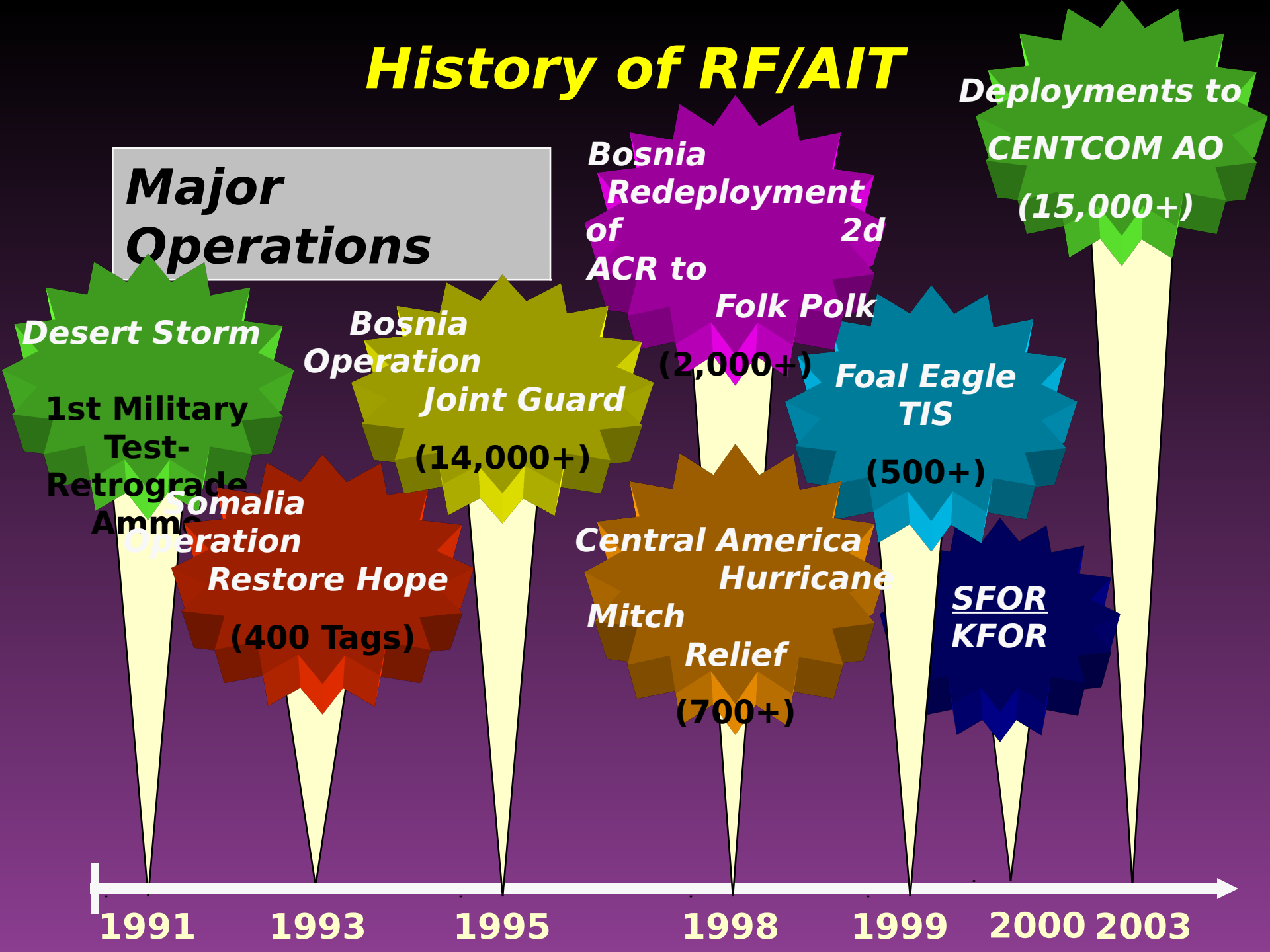


Become familiar

with basic concepts  
and terms  
associated with RF/AIT

# History of RF/AIT

## Major Operations



# Concept of Operations

Regional Server/GTN



# 3 OF 9 BARCODE

*This card remains the property of Safeway Inc. and must be surrendered upon request. This card may not be used to establish credit or as personal identification. Safeway reserves the right to request additional information or identification. For information, please call customer service at (301) 386-6550.*



# 2D BARCODE MARKING

|                            |                  |                            |                           |                 |
|----------------------------|------------------|----------------------------|---------------------------|-----------------|
| DATE OF BIRTH<br>1950AUG26 | WEIGHT<br>195    | HEIGHT<br>71               | HAIR COLOR<br>BR          | EYE COLOR<br>GR |
| Bar code field here        |                  |                            |                           |                 |
| DATE OF ISSUE<br>1994OCT06 | BLOOD TYPE<br>A+ | GENEVA CONV CATEGORY<br>IV |                           |                 |
| Algorithm field here       |                  |                            |                           |                 |
| DD FORM 2 (ACTIVE)         |                  | JUL 94                     | PROPERTY OF US GOVERNMENT |                 |

# Common Access Card

Armed Forces of the  
United States



**Air Force**  
**Active Duty**




**Parker IV,  
Christopher J.**

Pay Grade **E5** Rank **SSGT**


Issue Date **2000SEP19**  
Expiration Date **2003SEP18**

**Geneva Conventions Identification Card**

Medical  
**Blood Type: O+**  
**Organ Donor: Yes**



Date of Birth **1969J AN09** Social Security Number **742-76-0064** Geneva Conventions Category **IV**



**DoDCIO/OUUSD(P&R) OCT 2000 Property of the U.S. Government**

# RF/AIT - CHECK ON LEARNING

1. What satellite provides three-dimensional location information?
2. Name some transportation systems that are communication satellites?





# ***RF/AIT Equipment***

**“Old”  
Seal  
Tag**

## **SAVI Seal Tag II Capabilities:**

**300-Foot Range**

**128K bytes  
Read/Write  
Memory**

**Multiple Tag Collection**

**Omni-Directional  
Communication**



# ***RF/AIT Equipment***

**Seal Tag  
Employment**



# ***RF/AIT Equipment*** “Old” **Docking Station**

## **Capabilities:**

**Create RFID Tags**

**Retrieve RFID Info**

**“WINDOWS” Driven**



# ***RF/AIT Equipment***

**“New”  
Tag**

**SaviTag 410R RF Tag:**

**New Design**

**128KB Storage**

**Improved Battery Case**

**Same Characteristics  
of “Old” Seal  
Tag**



# ***RF/AIT Equipment*** “New”

**SDS 1001 Docking Station Capabilities:**

**Create RFID Tags**

**Retrieve RFID Info**

**“WINDOWS” Driven**

**Docking  
Station**



# ***RF/AIT Equipment***

**Fixed  
Interrogator  
or**

## **Capabilities:**

**300-Foot Range**

**Multiple Tag  
Collection**

**Omni-Directional  
Communication**

**Writes Multiple  
Tags**

**Simultaneously**

**High-Speed  
Data Transfer**



# ***RF/AIT Equipment***

**Temporary  
Interrogat  
or**





# ***RF/AIT Equipment***

**Fixed  
Interrogat  
or**





# ***RF/AIT Equipment***

**Fixed  
Interrogat  
or**



# ***RF/AIT Equipment***

## Savi Hand-Held Interrogator Capabilities

**300-Foot Range**

**Multiple Tag  
Collection**

**Omni-Directional  
Communication**

**Tag Homing Capability**

**Data Entry and File  
Editing**

**“Old”  
Hand-Held  
Interrogator**



# ***RF/AIT Equipment***

INTERMEC 410R Capabilities:

**1 MB of RAM**

**Reads Linear  
Bar Codes**

**Reads 2D Bar Code**

**Hand-Held  
Interrogator**



# ***RF/AIT Equipment***

SYMBOL PDT 8146 Capabilities:

**64 MB of RAM**

**Reads Linear  
Bar Codes**

**Reads RF Tags**

**Reads 2D Bar Code**

**New Hand-  
Held  
Interrogator**



# RF/AIT Equipment

## Bar Codes (EUCOM Test Label)

### Linear Bar Code

- Limited to 20 Characters
- Identifies:
  - Consignee
  - TCN
  - Number of Pieces

|  |                           |  |                         |
|--|---------------------------|--|-------------------------|
| 3. From<br>WK4GEY  |                           | 9. ULTIMATE CONSIGNEE OR MA<br>WK4GEY  |                         |
| Linear   |                           |  |                         |
| TRANSPORTATION CONTROL NUMBER<br>*AWHGEAA\$0F00090XX*                                |                           |  |                         |
|    |                           |  |                         |
| 6. PIECES 1 OF 1   |                           | 5. SHIP TO/POE<br>DOV  |                         |
|     |                           | 6. TRANSP<br>PRIORITY<br>2   |                         |
| 8. PROJECT<br>9EV  | 14. DATE SHPD<br>20000127 | 11. RDD  | 7. POD<br>TZR           |
| 10. WT/CU THIS PC<br>03965/0451  | 4. TYPE SERVICE<br>A      | ULN<br>ULN123  | UIC<br>WS'E             |
| 19. NSN<br>8115001682275   | 20. NOM<br>MILVAN         | 21. COMM<br>CFBCC  | SERIAL NUM<br>234567890 |
| 18. TCM/SUPPLY INFO  |                           |  |                         |
|  |                           |  |                         |

### 2D Bar Code

Up to 1,850

Characters

# ***RF/AIT Equipment***

Direct Thermal/Thermal Transfer Print

**Printer**

**Creates Military Shipping Label**

**Creates Linear and  
2D Bar Codes**

**Durable & Survives  
the Elements**



**ZEBRA 4M**

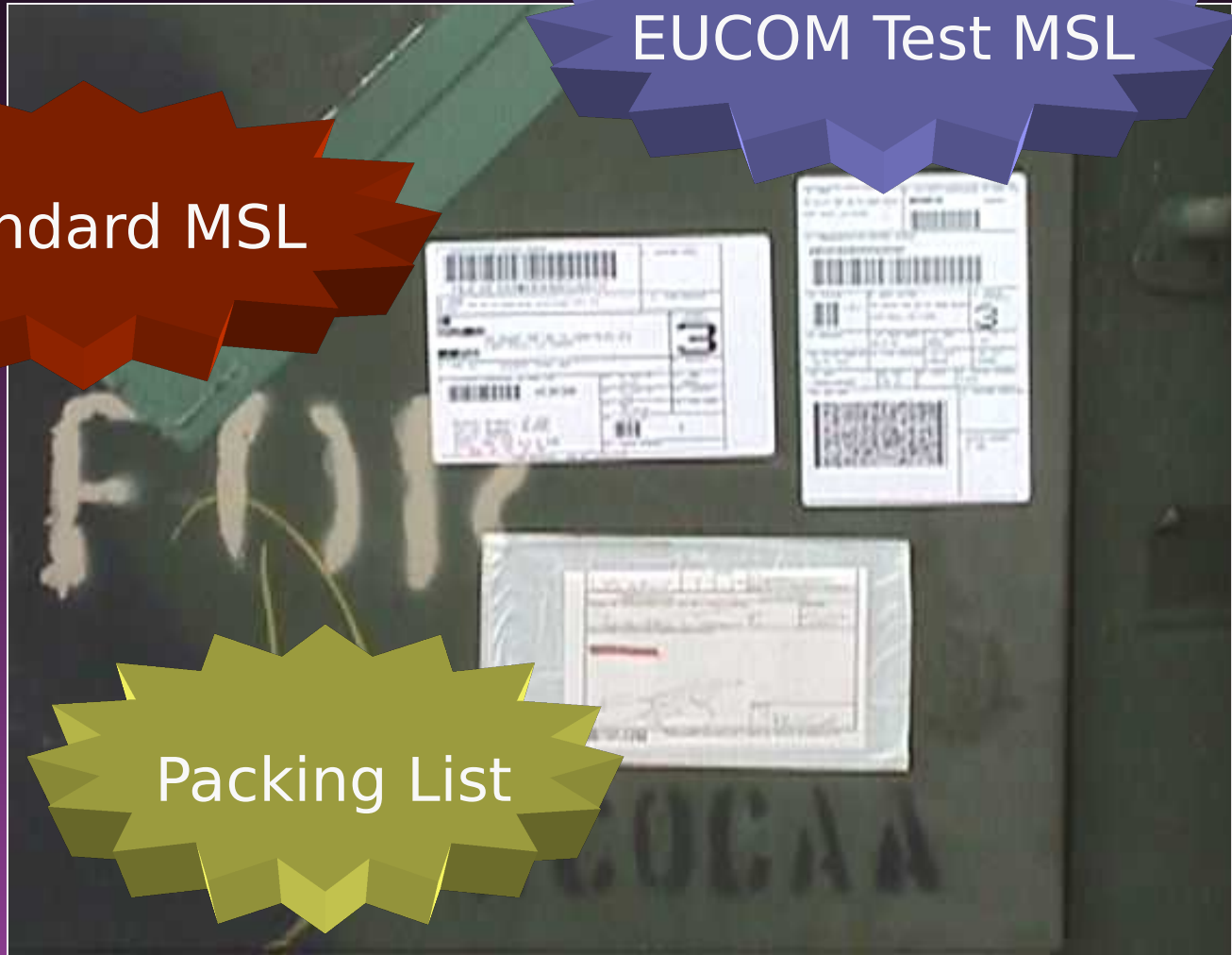
# ***RF/AIT Equipment***

## **Employment of Military Shipping Label:**

Standard MSL

EUCOM Test MSL

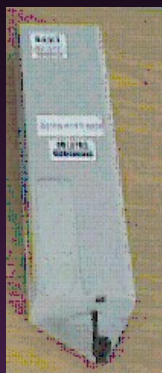
Packing List





# ***The SAVI Tag Database Can Be Queried Using The SAVI Batch Collection Protocol ...***

**I'm SAVI Tag  
#1234 ...  
I've got stuff**

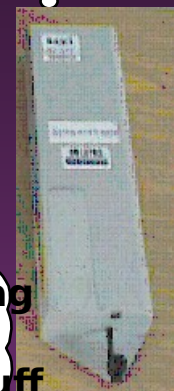
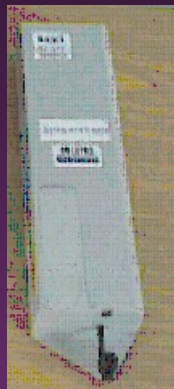


**I'm SAVI Tag  
#1235 ...  
I've got stuff**

**I'm SAVI Tag  
#2265 ...  
I've got stuff**

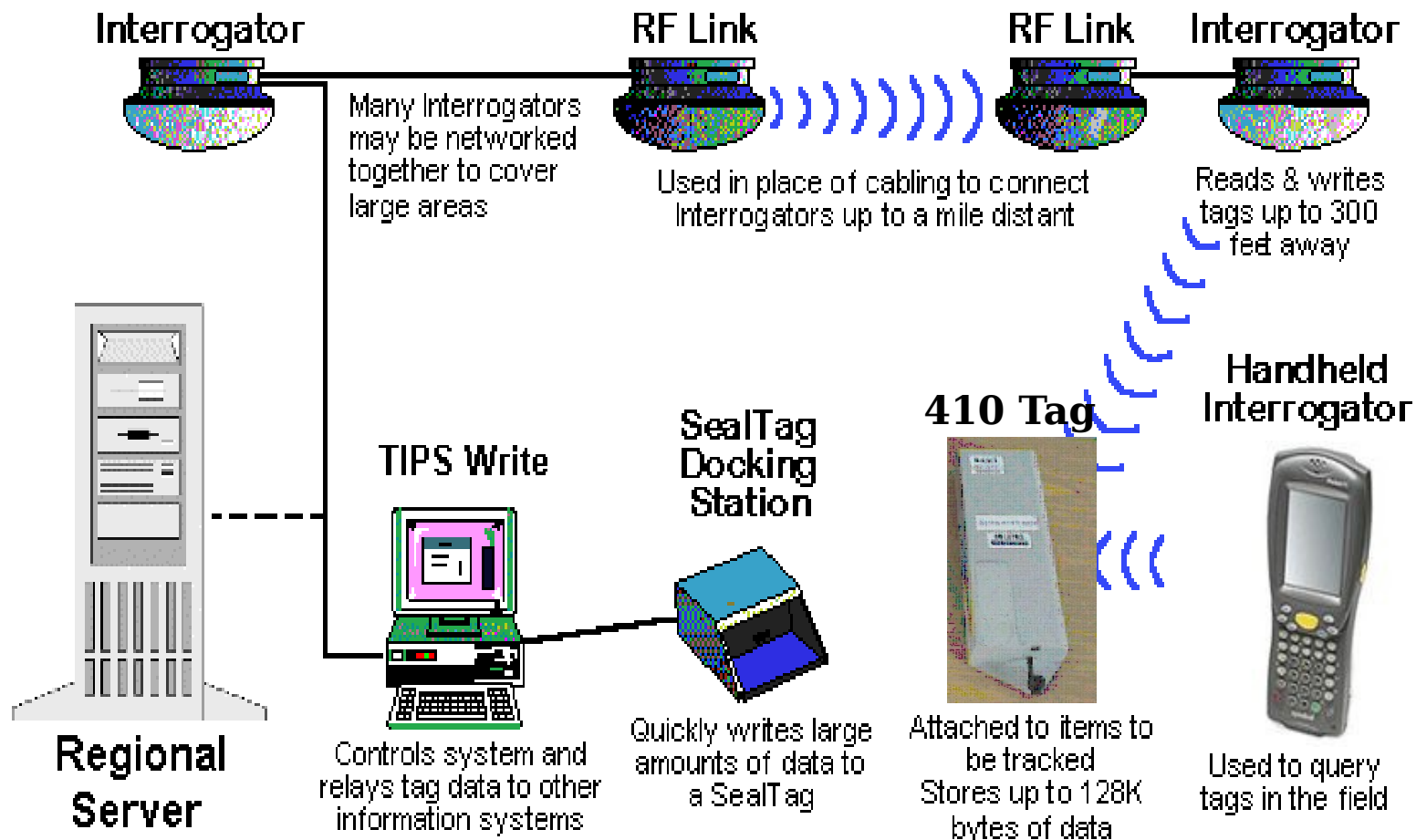
**Who has  
stuff?**

**I'm SAVI Tag  
#3234 ...  
I've got stuff**





# ***RF/AIT System Architecture***





<https://147.242.140.92>  
Regional  
Server  
Korea



CONUS  
Regional  
Server

<https://160.147.8.1>



Regional  
Server  
Germany

<https://144.170.190.>

**GTN**  
**Scott Air Force, IL**



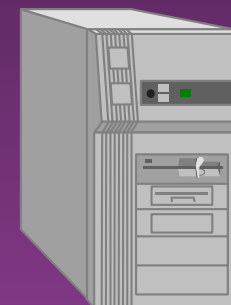
<https://www.gtn.transcom>

ATAV DATA  
CENTER  
ST Louis, MO



<http://weblog.logsa.army.mil/tavgui>

JTAV DATA  
CENTER



<https://137.246.34.108>



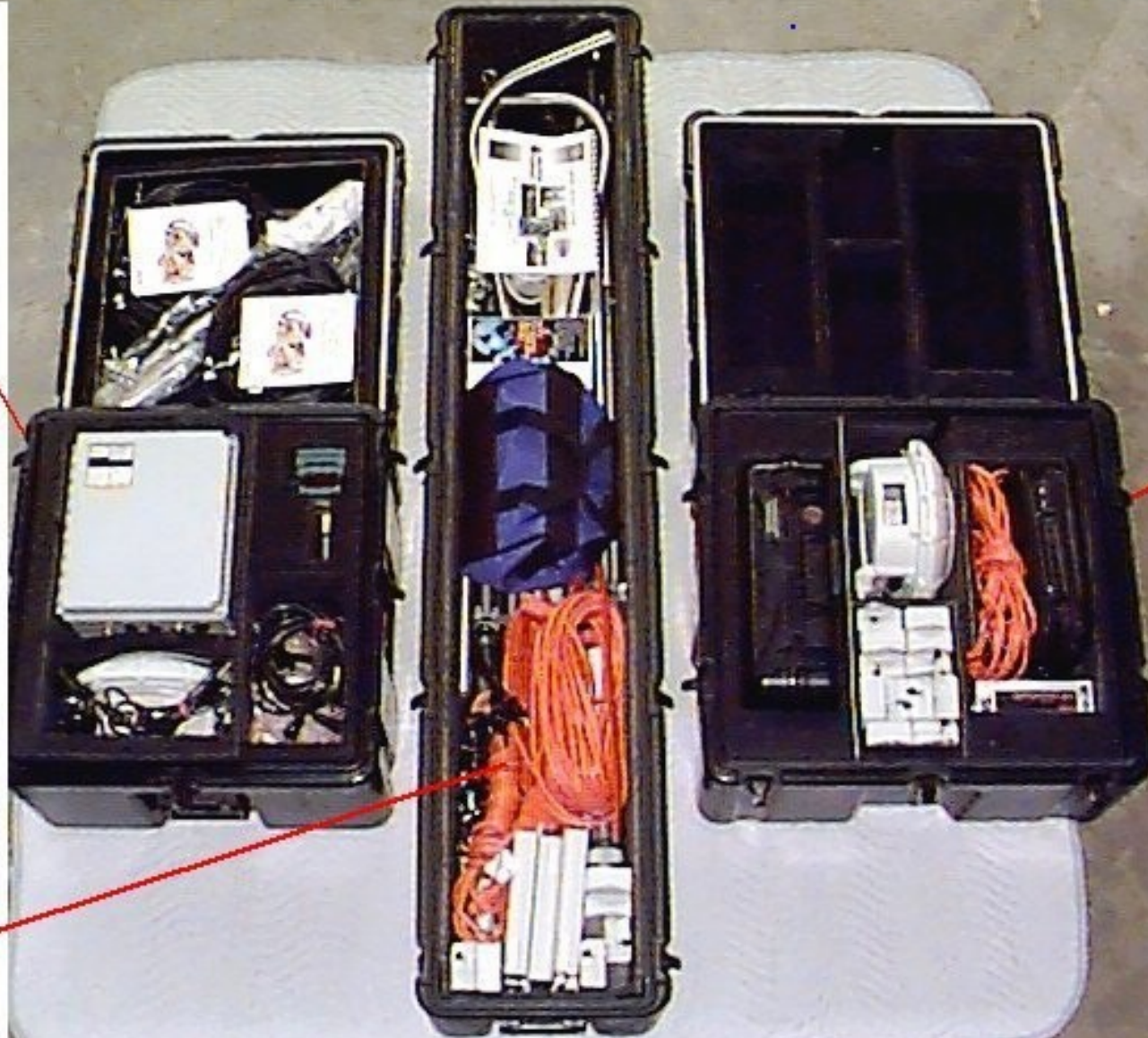
# Fly Away Kit

(Early Entry Deployment Support Kit (E<sup>2</sup>DSK))

**CASE B**  
(2) RFR 100's  
with all  
components.  
Interrogator  
HHI  
Charging  
Cradle

Size  
26"X24"X19 1/2"  
Weight=76lbs

**CASE C**  
(2) Tripods  
(2) Mounting Poles  
(2) 50' Cords  
(1) 25' Cord  
Tool Kit  
18 RF Tags  
(2) Power Strips  
Training Package  
74"X15 1/2X16"  
Weight=120lbs



**CASE A**  
Interrogator  
Laptop  
Mini-M  
15ft Power  
Cord  
Power Strip  
DC to AC  
Converter  
12 RF Tags

Size  
28"X24"X19 1/2"  
Weight=85lbs

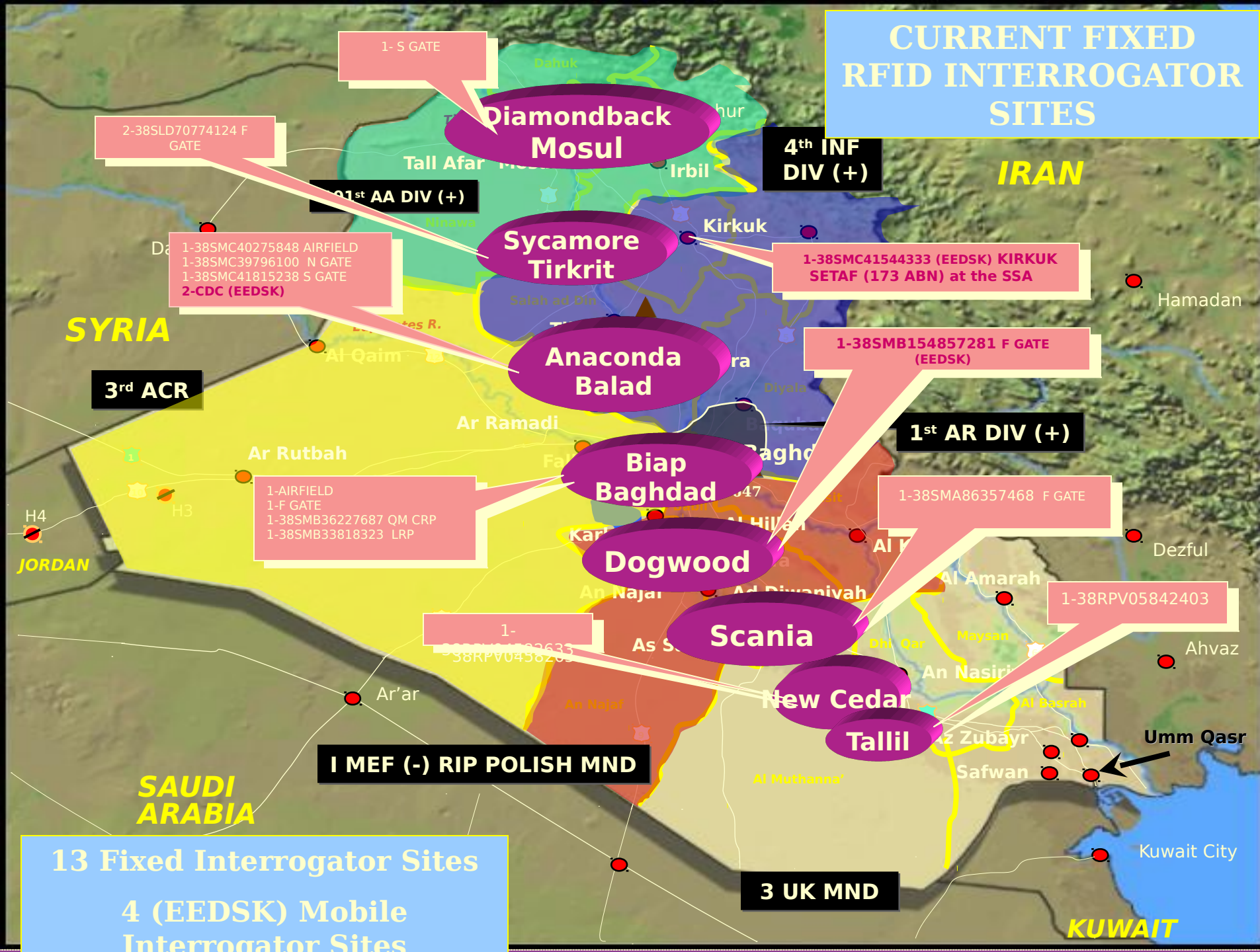


A topographic map of Iraq and surrounding regions, including parts of Turkey, Syria, and the Persian Gulf. The map uses color to represent elevation, with green for lower elevations and brown for higher elevations. Blue lines indicate major rivers. Overlaid on the map are several light green and yellow shaded regions, which represent the coverage areas of radio frequency interrogators. These areas are primarily located in the central and eastern parts of Iraq, following the course of the Tigris and Euphrates rivers. The text "RADIO FREQUENCY INTERROGATORS IN IRAQ" is centered over the map in a large, white, serif font.

# RADIO FREQUENCY INTERROGATOR S IN IRAQ

14 AUGUST 2003

# CURRENT FIXED RFID INTERROGATOR SITES





## Planned Additional Fixed Interrogators to equal 35 sites

2-LF337180 N GATE  
1-LF335214 S GATE  
1-AIRFIELD

## Diamondback Mosul

**101<sup>st</sup> AA DIV (+)**

1-MB130655438 CLASS I YARD  
1-LD7047258952 CLASS IX YARD

## Sycamore Tirkrit

1-REPLACE EEDSK  
**KIRKUKSETAF (173 ABN)**  
**at the SSA**

## 2-REPLACE CDC (EEDSK)

# Anaconda Balad

**4<sup>th</sup> INF  
DIV (+)**

## 1<sup>st</sup> AR DIV (+)

### 3<sup>rd</sup> ACR

## LSA Copperhead

2-F GATE

## 1- REPLACE F GATE (EEDSK)

1- F GATE  
1-CLASS I YARD  
1-CLASS IX YARD

## Dogwood

## Polish Logbase

2-F GATE

1- F GATE

# Scania

## 1-F GATE

**I MEF (-) RIP POLISH MND**

## New Cedar

**UK  
LOGBAS  
Basrah**

## Umm Qasr

## Umm Qsar Hwy Border Crossing

## Kuwait City

## 1- BORDER CROSSING

### 3 UK MND

## 22 Planned Additional Fixed Interrogator Sites

# TAV IN TRANSIT PROCESSING STATION (TPS)



# ***TIPS Software***

## **Key Features include:**

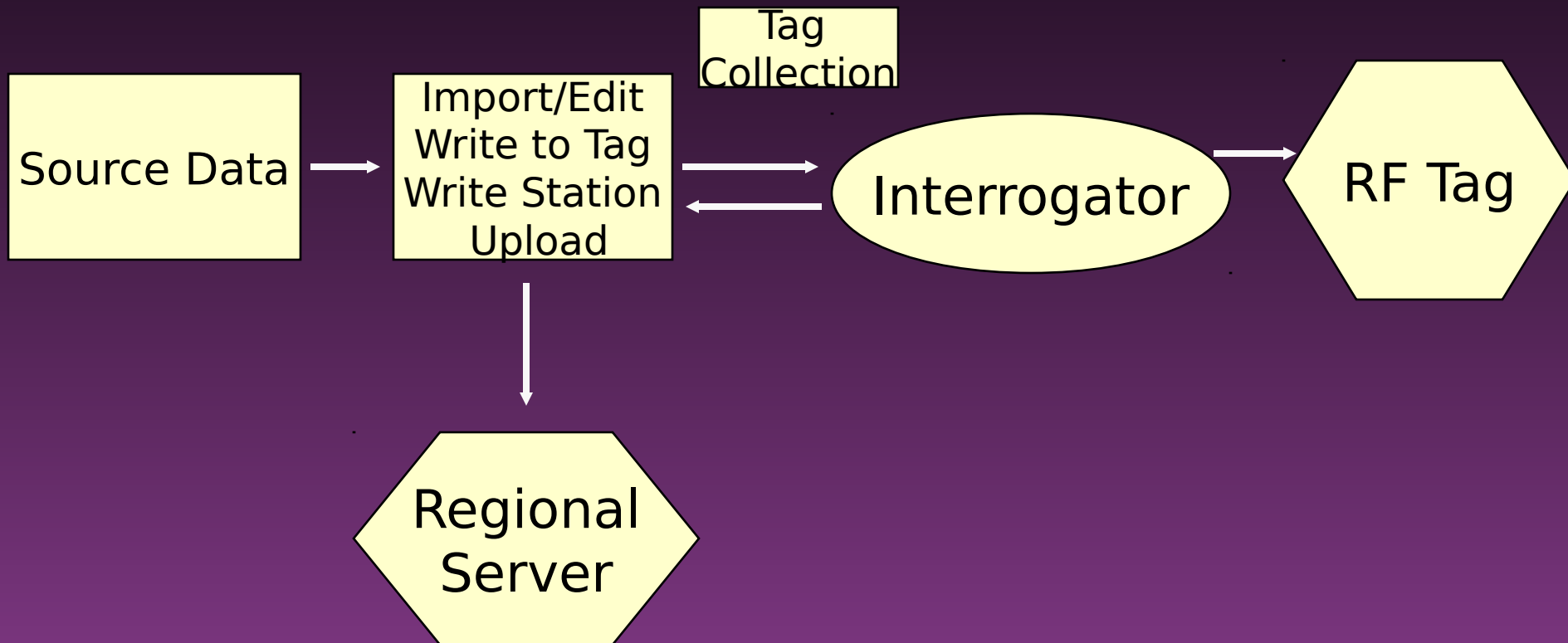
Writing and reading formatted data to and from RF  
tags  
(DD 1384 and DD 1348-1A)

Uploading data to a regional servers

Entering and preprocessing TAV data

# ***TIPS Software***

## **Write Station Operations**





## Collect Tags

- Lists the current available tags
- Assign Tags to Shipments

**Collect Tags**

Date/Time of Collection  
24-Oct-96 14:31:49

|       |
|-------|
| 16817 |
| 16819 |
| 16820 |
| 16822 |
| 16823 |
| 16910 |
| 16911 |
| 16919 |
| 51274 |
| 51278 |
| 58257 |

Tags collected: 11

OK



Shipment Format: ☒ Sustainment

☒ Unit Move

☒ Free Text

Write Status: ☒ Not Ready

☒ Ready To Be Written

☒ Written To Tag

Refresh

Share Uploaded

| Lead TCN          | Tag ID | Container ID | POE | POD | Consignor | Consignee | Write Status | Format |
|-------------------|--------|--------------|-----|-----|-----------|-----------|--------------|--------|
| VH54T0\$0F00050XX |        | 79779        | TZU | JH2 |           |           | Not Ready    | S      |
| VH54T0\$0F00060XX |        | 79780        | TZU | JH2 |           |           | Not Ready    | S      |
| VH54T0\$0F00070XX |        | 79781        | TZU | JH2 |           |           | Not Ready    | S      |
| VH54T0\$0F00080XX |        | 79782        | TZU | JH2 |           |           | Not Ready    | S      |
| VH54T0\$0F00090XX |        | 79783        | TZU | JH2 |           |           | Not Ready    | S      |
| VH54T0\$0F00100XX |        | 79784        | TZU | JH2 |           |           | Not Ready    | S      |
| VH54T0\$0F00110XX |        | 79785        | TZU | JH2 |           |           | Not Ready    | S      |
| WNA2B0\$0D00010XX | 106402 | 49587        | 2E1 | JE1 | W26DDA    | WNA2B0    | Ready        | S      |
| WNA2B0\$0D00020XX |        | 49588        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00030XX |        | 49589        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00040XX |        | 49590        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00050XX |        | 49591        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00060XX |        | 49592        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00070XX |        | 49593        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00080XX |        | 49594        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00090XX |        | 49595        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00100XX |        | 49596        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00110XX |        | 49597        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00120XX |        | 49598        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00130XX |        | 49599        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00140XX |        | 49600        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00150XX |        | 49601        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00160XX |        | 49602        | 2E1 | JE1 |           |           | Not Ready    | S      |
| WNA2B0\$0D00190XX |        | 49604        | 2E1 | JE1 |           |           | Not Ready    | S      |

Number Shipments Selected: 0

Total Number of Shipments: 46

Selected Interrogator/TDS:

Open

Select All

Write to Tag

Create Date: 05/14/2002 15:35:03 GMT

\* Tag ID: 106402

Shipment Format: S

\* Lead TCN: AWWNA2B0\$0D00010XX

\* Container ID: 49587

Write Status: Ready

Header

TCMD

Commodity

Consignor: W26DDA

Hazmat: N

[C] Carrier Code: MSC

Consignee: WNA2B0

Ship Date: 069

[C] Service: ARMY

\* POE: 2E1

Pieces: 0001

[C] Cmdty Class: CL 7

\* POD: JE1

Weight: 88679 (Pounds)

[C] Operation: ENDURING FREEDOM

Priority: 3

Cube: 3935 (Cubic Feet)

[C] Free Text:

W26DDA WNA2B0 CPT HOG  
GIE  
ENDURING FREEDOM

\* Denotes fields required for writing to a tag

[C] Denotes fields user for Copy Fields

New

Copy

Previous Shipment

Next Shipment

Selected Interrogator:

Copy Fields

Save

Close

Format: Sustainment

Shipment 1 of 1 selected shipments.

|                   |       |     |     |  |  |           |
|-------------------|-------|-----|-----|--|--|-----------|
| WNA2B0\$0D00120XX | 49598 | 2E1 | JE1 |  |  | Not Ready |
| WNA2B0\$0D00130XX | 49599 | 2E1 | JE1 |  |  | Not Ready |
| WNA2B0\$0D00140XX | 49600 | 2E1 | JE1 |  |  | Not Ready |
| WNA2B0\$0D00150XX | 49601 | 2E1 | JE1 |  |  | Not Ready |
| WNA2B0\$0D00160XX | 49602 | 2E1 | JE1 |  |  | Not Ready |
| WNA2B0\$0D00190XX | 49604 | 2E1 | JE1 |  |  | Not Ready |

Number Shipments Selected: 1

Total Number of Shipments: 46

Selected Interrogator/TDS:

Open

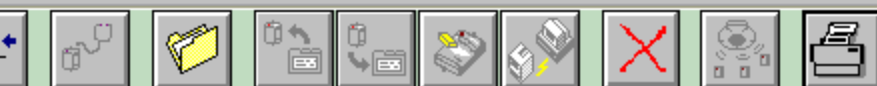
Select All

Write to Tag

Tue Mar 18 18:53:36 GMT

Slide Sorter

Fireball



Shipment Format: ☒ Sustainment

Write Status: ☒ Not Ready

☒ Unit Move

☒ Ready To Be Written

☒ Free Text

☒ Written To Tag

Refresh

Unlabeled Uploaded

Lead TCN  
 VH54T0\$0F00050XX  
 VH54T0\$0F00060XX  
 VH54T0\$0F00070XX  
 VH54T0\$0F00080XX  
 VH54T0\$0F00090XX  
 VH54T0\$0F00100XX  
 VH54T0\$0F00110XX  
 /NA2B0\$0D00010XX  
 /NA2B0\$0D00020XX  
 /NA2B0\$0D00030XX  
 /NA2B0\$0D00040XX  
 /NA2B0\$0D00050XX  
 /NA2B0\$0D00060XX  
 /NA2B0\$0D00070XX  
 /NA2B0\$0D00080XX  
 /NA2B0\$0D00090XX  
 /NA2B0\$0D00100XX  
 /NA2B0\$0D00110XX  
 /NA2B0\$0D00120XX  
 /NA2B0\$0D00130XX  
 /NA2B0\$0D00140XX  
 /NA2B0\$0D00150XX  
 /NA2B0\$0D00160XX  
 /NA2B0\$0D00190XX

Edit Shipment

Create Date: 05/14/2002 15:35:03 GMT

\* Tag ID: 106402

Shipment Format: S

\* Lead TCN: /NA2B0\$0D00010XX

\* Container ID: 49587

Write Status: Ready

Header TCMD Commodity

MILSTAMP

|     |       |                             |                              |               |
|-----|-------|-----------------------------|------------------------------|---------------|
| TX0 | 864ZZ | 2E1JE13PCAWNA2B0\$0D00010XX | 3                            | 0001B86793935 |
| TX5 | 864ZZ | 2E1JE13PCAWNA2B0\$0D00010XX | 300387L144W122H0001128673935 |               |
| TX6 | 864ZZ | 2E1JE13PCAWNA2B0\$0D00010XX | 32350013285964               |               |
| TX9 | 864ZZ | 2E1JE13PCAWNA2B0\$0D00010XX | 3TANK CBT FULL               | 1             |
| TX9 | 864ZZ | 2E1JE13PCAWNA2B0\$0D00010XX | 3TRACKED:120MM GUN           | 2             |
| TX9 | 864ZZ | 2E1JE13PCAWNA2B0\$0D00010XX | 3ULN: P52BC                  | 3             |

Add TCMD Record

Delete TCMD Record

New

Copy

Previous Shipment

Next Shipment

Selected Interrogator:

☐ Copy Fields

Save

Close

Format: Sustainment

Shipment 1 of 1 selected shipments.

Select All

Write to Tag

Tue Mar 18 18:55:10 GMT

File View Shipment Tag Report Setup Help

Shipment Format: ☒ SustainmentWrite Status: ☒ Not Ready☒ Unit Move☒ Ready To Be Written

Refresh

☒ Free Text☒ Written To Tag

Prepare | Uploaded

| Lead TCN           |
|--------------------|
| AWH54T0\$0F00050XX |
| AWH54T0\$0F00060XX |
| AWH54T0\$0F00070XX |
| AWH54T0\$0F00080XX |
| AWH54T0\$0F00090XX |
| AWH54T0\$0F00100XX |
| AWH54T0\$0F00110XX |
| AWNA2B0\$0D00010XX |
| AWNA2B0\$0D00020XX |
| AWNA2B0\$0D00030XX |
| AWNA2B0\$0D00040XX |
| AWNA2B0\$0D00050XX |
| AWNA2B0\$0D00060XX |
| AWNA2B0\$0D00070XX |
| AWNA2B0\$0D00080XX |
| AWNA2B0\$0D00090XX |
| AWNA2B0\$0D00100XX |
| AWNA2B0\$0D00110XX |
| AWNA2B0\$0D00120XX |
| AWNA2B0\$0D00130XX |
| AWNA2B0\$0D00140XX |
| AWNA2B0\$0D00150XX |
| AWNA2B0\$0D00160XX |
| AWNA2B0\$0D00170XX |
| AWNA2B0\$0D00180XX |
| AWNA2B0\$0D00190XX |
| AWNA2B0\$0D00200XX |

Edit Shipment

Create Date: 05/14/2002 15:35:03 GMT

\* Tag ID: 106402

Shipment Format: S

\* Lead TCN: AWNA2B0\$0D00010XX

\* Container ID: 49587

Write Status: Ready

Header | TCMD | Commodity

| Document #       | Nomenclature | LIN    | NSN           | RIC | UI | QTY   |
|------------------|--------------|--------|---------------|-----|----|-------|
| AWNA2B0\$0D00010 | TANK CBT F   | T13305 | 2350013285964 |     | EA | 001.0 |

Add Commodity Record

Delete Commodity Record





## ITV/RF QUERY BY KEY DATA ELEMENTS

*Please enter the data in ONE of the fields and then submit the query.*

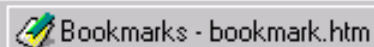
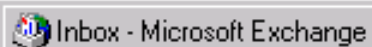
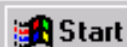
|  |                                     |
|--|-------------------------------------|
| <input type="text"/>                         | DODAAC/Document Number              |
| <input type="text"/>                         | Transportation Control Number (TCN) |
| AMSK1 : LATHROP - SHARPE DEPOT - LATHROP, CA | Select Interrogator                 |
| <input type="text"/>                         | Consignee                           |
| <input type="text"/>                         | Consignor                           |
| <input type="text"/>                         | NSN                                 |
| <input type="text"/>                         | NIIN                                |
| <input type="text"/>                         | Nomenclature                        |
| <input type="text"/>                         | Tag Number                          |
| <input type="text"/>                         | Container/Pallet Number             |
| <input type="text"/>                         | Freetext                            |
| <input type="text"/>                         | Service <b>NEW!</b>                 |
| <input type="text"/>                         | Operation <b>NEW!</b>               |
| <input type="text"/>                         | Commodity Class <b>NEW!</b>         |

## EVENTS

| DTG                | EVENT | STATUS | SITE                           |
|--------------------|-------|--------|--------------------------------|
| 25-OCT-99 13:45:00 | CHOK  |        | COMANCHE BASE EAST GATE BH     |
| 25-OCT-99 13:02:00 | CHOK  |        | EAGLE BASE ATMCT TUZLA BH      |
| 25-OCT-99 11:30:00 | CHOK  |        | COMANCHE BASE EAST GATE BH     |
| 13-OCT-99 12:15:00 | CHOK  |        | COMANCHE BASE EAST GATE BH     |
| 13-OCT-99 12:00:00 | CHOK  |        | EAGLE BASE FLIGHTLINE TUZLA BH |
| 13-OCT-99 10:00:00 | CHOK  |        | EAGLE BASE FLIGHTLINE TUZLA BH |
| 13-OCT-99 02:50:00 | CHOK  |        | RAMSTEIN FLIGHTLINE OUTBOUND   |
| 12-OCT-99 14:00:00 | CHOK  |        | RAMSTEIN FLIGHTLINE OUTBOUND   |
| 12-OCT-99 13:05:00 | CHOK  |        | RAMSTEIN HOLDING YARD GE       |
| 12-OCT-99 12:10:00 | CHOK  |        | RAMSTEIN HOLDING YARD GE       |
| 12-OCT-99 10:48:00 | CHOK  |        | RAMSTEIN EAST GATE, GE         |
| 12-OCT-99 10:37:00 | CHOK  |        | FRIEDRICHSFELD SOLAR TEST 2    |
| 12-OCT-99 09:55:00 | CHOK  |        | 26 ASG BK GATE FRIEDRICHFLD GE |
| 12-OCT-99 03:55:00 | CHOK  |        | 26 ASG BK GATE FRIEDRICHFLD GE |
| 12-OCT-99 02:57:00 | CHOK  |        | FRIEDRICHSFELD SOLAR TEST 2    |
| 12-OCT-99 02:55:00 | CHOK  |        | 26 ASG BK GATE FRIEDRICHFLD GE |
| 11-OCT-99 15:55:00 | CHOK  |        | 26 ASG BK GATE FRIEDRICHFLD GE |
| 11-OCT-99 13:48:00 | CHOK  |        | RAMSTEIN EAST GATE, GE         |
| 11-OCT-99 12:48:00 | CHOK  |        | RAMSTEIN EAST GATE, GE         |
| 11-OCT-99 11:55:00 | CHOK  |        | 26 ASG BK GATE FRIEDRICHFLD GE |
| 11-OCT-99 11:37:00 | CHOK  |        | FRIEDRICHSFELD SOLAR TEST 1    |
| 11-OCT-99 10:55:00 | CHOK  |        | 26 ASG BK GATE FRIEDRICHFLD GE |
| 08-OCT-99 11:10:01 | WRITE |        | FSA CATT WR FRICHSFELD GE      |



Document: Done





**TAG = 19295**

**LICENSE PLATE**

**LEAD TCN:** SW31230010N225XXX

**CONTAINER:** IH225

**POE:** NGU

**POD:** SKP

**CONSIGNEE:** W90A0D

**CONSIGNOR:** SW3123

**HAZMAT:** X

**TP:** 1

**FREE TEXT:** WGT 02925 CUBE 0344

 [TCMD](#)  [COMMODITY](#)

**EVENTS**

| DTG | EVENT | STATUS | SITE |
|-----|-------|--------|------|
|-----|-------|--------|------|

10 JAN 00 11:42:01 WRITE

NEW GUNDELAN ANG BUDM CUCUENABIA BA

FileEditViewGoCommunicatorHelp

BackForwardReloadHomeSearchNetscapePrintSecurityShopStop

What's Related

Location: http://147.242.140.92/cgi-bin/Q-tag.script?tag\_id=106385

TAG = 106385

LICENSE PLATE

LEAD TCN: SW32254933V027MM2

POE: 3D2

CONSIGNEE: WT4KEA

HAZMAT: J

FREE TEXT: WGT 14363 CUBE 0963

CONTAINER: 54113

POD: UDC

CONSIGNOR:

TP: 1

TCMD

COMMODITY

EVENTS

| DTG                | SITE                       | EVENT STATUS |
|--------------------|----------------------------|--------------|
| 15-JUN-00 17:30:01 | SHARPE DEPOT - LATHROP, CA | WRITE        |

Report: Fri Jun 16 12:29:59 GMT 2000

[Comments](#)

Document: Done

Start

My Computer

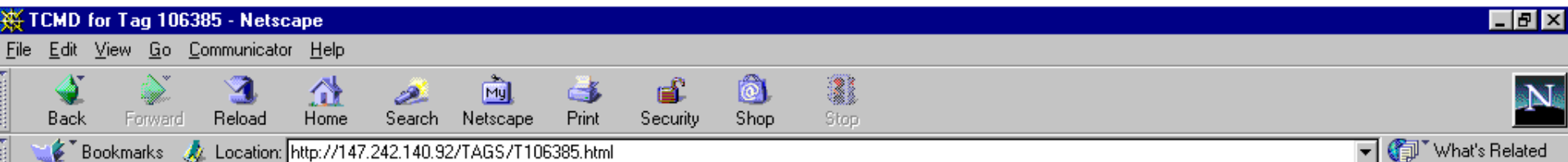
C:\

C:\download

Microsoft Power...

TAG = 1063...

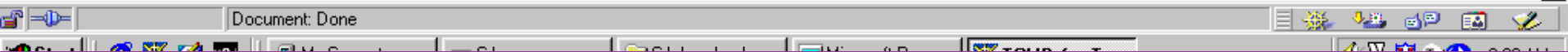
8:30 AM

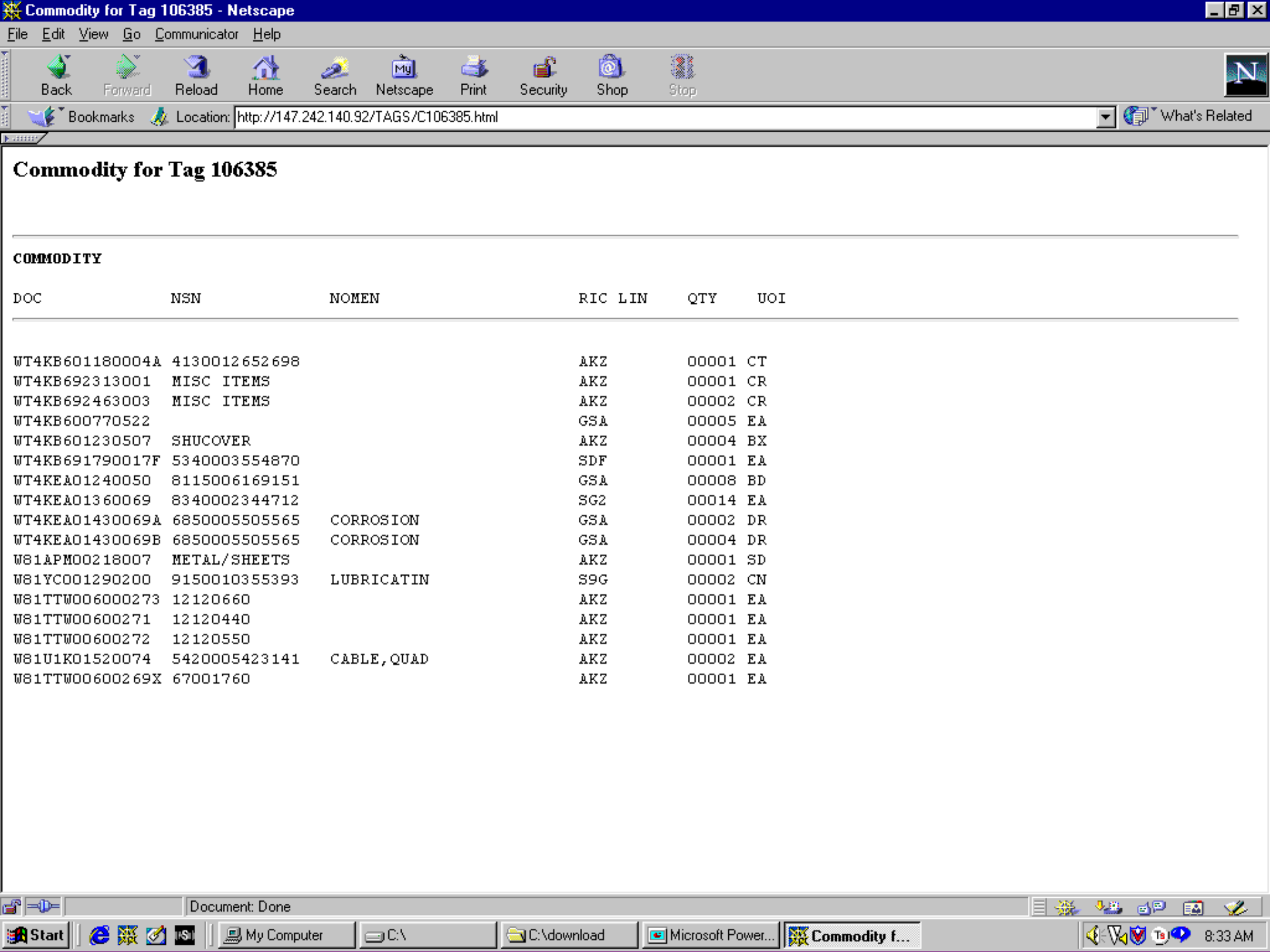


## TCMD for Tag 106385

### MILSTAMP

|          |             |   |
|----------|-------------|---|
| TJ254113 | APLS4070XB9 | 3D2UDCVZCSW32254933V027MM2WT4KEA1193M12167123600022143630963    |
| TJ954113 | X9529670XB9 | 3D2UDCV40SW32254933V027MM2 1VNO4254113- 00150302APLS001         |
| TX454113 | W62N2A700Z9 | 3D2UDCVCTWT4KB601180004AXXWT4KB63193 4117S1PM0001000760006      |
| TX954113 | 700Z9       | 3D2UDCVCTWT4KB601180004AXXWT4KB63A/C PARTS 1                    |
| TX454113 | W62N2A700Z9 | 3D2UDCVCRWT4KB692313001XXXWT4KB63193 RTS7S1PM0001016750081      |
| TX954113 | 700Z9       | 3D2UDCVCRWT4KB692313001XXXWT4KB63GEN CARGO 1                    |
| TX454113 | W62N2A700Z9 | 3D2UDCVCRWT4KB692463003XXXWT4KB63193 RGO7S1PM0002033500162      |
| TX954113 | 700Z9       | 3D2UDCVCRWT4KB692463003XXXWT4KB63GEN CARGO 1                    |
| TX454113 | W62N2A700Z9 | 3D2UDCVCTW62N2A01620071XXXWT4KB61193 RGO7S1PM0001000240005      |
| TX954113 | 700Z9       | 3D2UDCVCTW62N2A01620071XXXWT4KB61MIL IMPEDI 1                   |
| TX454113 | W62N2A700Z9 | 3D2UDCVSDWT4KEA01240050XXXWT4KEA3193 PED7S1PM0008038650440      |
| TX954113 | 700Z9       | 3D2UDCVSDWT4KEA01240050XXXWT4KEA3BOX, SHIPPI 1                  |
| TX454113 | SW3215713Z9 | 3D2UDCVPTWT4KEA01360069XXXWT4KEA3193 IPP7S1PM0001014300109      |
| TX954113 | 713Z9       | 3D2UDCVPTWT4KEA01360069XXXWT4KEA3FRAME SECT 1                   |
| TJ454113 | W62G2T635W9 | 3D2UDCVPTWT4KEA01430069AXXWT4KEA3193 SEC7S1PM0001011250052      |
| TJ654113 | W62G2T635W9 | 3D2UDCVPTWT4KEA01430069AXXWT4KEA36850005505565IMO 8 UN1759      |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069AXXWT4KEA3CORROSIVE SOLID, N.O.S. (C1    |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069AXXWT4KEA3CONTAINS SODIUM HYDROXIDE), 2  |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069AXXWT4KEA3CLASS 8, UN1759, II, 2 DR X 23 |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069AXXWT4KEA3O9L (TOTAL 418L) 4             |
| TJ454113 | W62G2T635W9 | 3D2UDCVPTWT4KEA01430069BXXWT4KEA3193 OTA7S1PM0001021850052      |
| TJ654113 | W62G2T635W9 | 3D2UDCVPTWT4KEA01430069BXXWT4KEA36850005505565IMO 8 UN1759      |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069BXXWT4KEA3CORROSIVE SOLID, N.O.S. (C1    |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069BXXWT4KEA3CONTAINS SODIUM HYDROXIDE), 2  |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069BXXWT4KEA3CLASS 8, UN1759, II, 4 DR X 23 |
| TJ954113 | 635W9       | 3D2UDCVPTWT4KEA01430069BXXWT4KEA3O9L (TOTAL 836L) 4             |
| TX454113 | W62N2A700Z9 | 3D2UDCVSDW81APM00218007XXXW81APM3193 OTA7S1PM0001002080032      |
| TX954113 | 700Z9       | 3D2UDCVSDW81APM00218007XXXW81APM3MIL IMPEDI 1                   |
| TX454113 | W62G2T603Z9 | 3D2UDCVCNW81YCO01290200XXXWT4KEA3193 PED7S1PM0002000780004      |



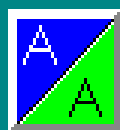
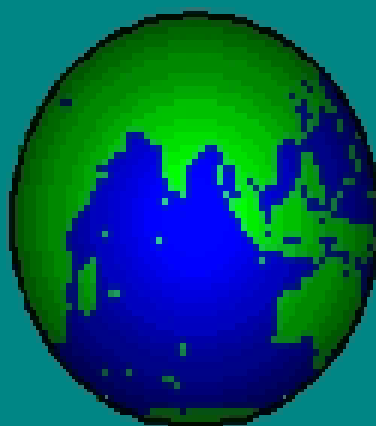


| Commodity for Tag 106385 |               |             |         |       |     |
|--------------------------|---------------|-------------|---------|-------|-----|
| COMMODITY                |               |             |         |       |     |
| DOC                      | NSN           | NOMEN       | RIC LIN | QTY   | UOI |
| WT4KB601180004A          | 4130012652698 |             | AKZ     | 00001 | CT  |
| WT4KB692313001           | MISC ITEMS    |             | AKZ     | 00001 | CR  |
| WT4KB692463003           | MISC ITEMS    |             | AKZ     | 00002 | CR  |
| WT4KB600770522           |               |             | GSA     | 00005 | EA  |
| WT4KB601230507           | SHUCOVER      |             | AKZ     | 00004 | BX  |
| WT4KB691790017F          | 5340003554870 |             | SDF     | 00001 | EA  |
| WT4KEA01240050           | 8115006169151 |             | GSA     | 00008 | BD  |
| WT4KEA01360069           | 8340002344712 |             | SG2     | 00014 | EA  |
| WT4KEA01430069A          | 6850005505565 | CORROSION   | GSA     | 00002 | DR  |
| WT4KEA01430069B          | 6850005505565 | CORROSION   | GSA     | 00004 | DR  |
| W81APM00218007           | METAL/SHEETS  |             | AKZ     | 00001 | SD  |
| W81YCO01290200           | 9150010355393 | LUBRICATIN  | S9G     | 00002 | CN  |
| W81TTW006000273          | 12120660      |             | AKZ     | 00001 | EA  |
| W81TTW00600271           | 12120440      |             | AKZ     | 00001 | EA  |
| W81TTW00600272           | 12120550      |             | AKZ     | 00001 | EA  |
| W81U1K01520074           | 5420005423141 | CABLE, QUAD | AKZ     | 00002 | EA  |
| W81TTW00600269X          | 67001760      |             | AKZ     | 00001 | EA  |

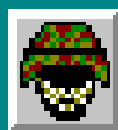
# Total Asset Visibility



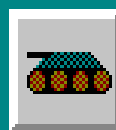
File Edit Options Module Commands Help



Assets



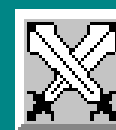
Force



Item



In Transit



Weapon  
Systems



dgatewood: [Logout](#)

UNCLASSIFIED

[Comments](#)[Help](#)

1



Joint Total Asset Visibility

**Resources**

1. [Release Notes](#)(08 June 1999)
2. [Password Change](#)
3. [Address Change](#)
4. [Database Schema Browser](#)
5. [Comments Review](#)
6. [Hotlist Editor](#)
7. [User Guide](#)
8. [Data Feeds](#)
9. [Commercial Carrier Web Sites](#)

[Training](#)

# Joint Total Asset Visibility JTAV

Your last logout/login was 20 days 15 hours 41 minutes ago from 155.217.131.68

You are communicating with

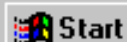
You may initiate a query from one of these Functional Areas:

[Inventory](#)[War Reserves](#)[Medical](#)[Transportation](#)[Unit Equipment](#)[Personnel \(TBD\)](#)[Ground \(DTRACS\)](#)[Bulk Fuel](#)[Utility](#)[RF Tag \(ITV\)](#)[Munitions](#)[Reports](#)[Requisition Status](#)[Maintenance \(TBD\)](#)[Batch Query Status](#)[ENHANCED TRANSPORTATION](#)

You may also initiate a query using [entry arguments](#), i.e logistics data items such as TCN, NSN, NIIN, or Ship Name



Document: Done



1. JTAV Main Page - ...

3Com 7:45 AM

# US Army Transportation School

## GTN Cargo Query Page

**GTN**

[Home](#) [? Query](#) [+ Help](#)

- Quick Query
- Cargo
- Schedules
- Passengers
- Requisitions
- Assets
- Unit Move
- Reference Tables
- Query Manager
- Address Book
- Sent Results Log

Feedback

### Cargo

**MODE** ☒ All ☐ Air ☐ Ocean ☐ Motor ☐ Rail

**LOOK FOR** TCN =

**QUALIFY BY** NONE =

**STATUS** Last Known Status, Date Constrained

**LOCATION** ☐ Channel

Worldwide =

Worldwide =

☒ Fixed ☐ Relative

**TIME** From: Apr 6 1999 00:00 Z

To: Apr 6 1999 23:59 Z

**OUTPUT** ☒ List ☐ Summarize By Location ☐ Summarize All Locations

# RF/AIT - CHECK ON LEARNING



1. What two types of barcode markings

2. What countries are the three regional  are used on military documentation?